

Ellis, Charlice

From: Turner, Nardina
Sent: Wednesday, May 16, 2018 11:49 AM
To: Saskowski, Ronald
Subject: FW: R4 LIMS Results: Project 15-0403, C153702 TMTL 09 24 15 0911
Attachments: C153702 TMTL FINAL 09 24 15 0911.PDF; C153702 TMTL FINAL 09 24 15 0911 - 15-0403 - SLOSS INDUSTRIES CORPORATION COKE PLANT 09-24-2015.110000366657.Dat

From: R4LIMS@epa.gov [mailto:R4LIMS@epa.gov]
Sent: Thursday, September 24, 2015 9:27 AM
To: Jardine, Rick <Jardine.Richard@epa.gov>
Cc: Turner, Nardina <Turner.Nardina@epa.gov>; Lkrebs@otie.com; Goddard, Denise <Goddard.Denise@epa.gov>; Terhune, Ray <Terhune.Ray@epa.gov>
Subject: R4 LIMS Results: Project 15-0403, C153702 TMTL 09 24 15 0911

On Thursday, September 24, 2015, results for the following were released by the Region 4 Laboratory:

Analyses:
Total Metals (TMTL)

Project Number: 15-0403
Project Name: 35th Avenue Site
City: Birmingham **County:** Jefferson **State:** AL

These results were reported by:
Denise Goddard (E-mail: Goddard.Denise@epa.gov)

If you have questions concerning the laboratory results, please feel free to contact the laboratory personnel shown above as having reported the data. We also encourage you to provide feedback to the Region 4 laboratory by filling out our online (*EPA internal network only*) [Customer Survey Form](#).

These results are for the following Sample Type(s):
Soil (Surface Soil)

PDF DATA RESULTS REPORT FILE ATTACHMENT:

An Adobe Acrobat PDF file is attached to this message that contains final results for the analyses as indicated in the data report.

DATA EXPORT FILE ATTACHMENT:

If attached, data export files will be tab delimited ASCII text files contained in a file that has been formatted using the ZIP archiving format (.Dat extension). Please consult your local computer support personnel if you have problems extracting these files. If you have questions about the data file formats and the information contained in these files, or if you would like to request export files for previously reported data, use the contact information shown below to contact the appropriate person with your concerns. To generate export files for previously reported data we'll need the name of the

PDF report file that was attached to the original transmittal message.

For questions concerning this message and attachments, or any other LIMS or data reporting issues, please call the SESD PC Hotline at 706-355-8825 or send an email to r4lims@epa.gov.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

September 24, 2015

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 15-0403, 35th Avenue Site
Superfund Remedial

FROM: Denise Goddard
Office of Quality Assurance Chemist

THRU: Ray Terhune, Acting Chief
Office of Quality Assurance

TO: Richard Jardine

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the associated contract Statement Of Work (SOW). In general, project data quality objectives have not been used to evaluate these data prior to release by the Office of Quality Assurance. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report.

Analyses Included in this report:

Method Used:

Accreditations:

Total Metals (TMTL)

Total Metals

CLP Inorganics (Soil)



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Report Narrative for Work Order: C153702 Analysis: TMTL

Inorganic Data Review and Validation Report

Site Name: 35TH Avenue Site, Birmingham, AL

Case No.: 45556, Project No.: 15-0403, Work Order Nos.: C153702, C153704

ELEMENT Sample IDs.: C153702-01 – 58, C153704-01, 02

Sampling Date(s): 8/24 – 27/15

Validated Time of Sample Receipt: 8/28/15

Laboratory Performing Inorganic Analyses: Chemtech Consulting Group, Mountainside, NJ

Date Received from Lab: 9/10/15

Analyses conducted: Total Metals

The ESAT Work Team has reviewed the above-captioned CLP data package consisting of 60 soil samples for total metals by ICP-AES analyses according to the contract Statement of Work ISM02.2 and EPA guidelines. This package presents acceptable contractual and technical performance with qualifications. Additional details are provided below.

Examination of laboratory blank samples revealed no contamination that required reporting limit adjustment.

ICP-AES Analysis

PE Sample Results

The performance evaluation sample recoveries for metals in soil by ICP-AES were scored as within limits by the web-based SPS Web software. Therefore, no data qualifiers were applied on the basis of these criteria.

Other QA/QC Results

Matrix spike recovery was below control limits for arsenic in sample C153702-23. The result was 71% recovery and the post-digestion spike recovery was 79%. The arsenic result for sample C153702-23 was considered estimated and "J" qualified.

Serial dilution % difference was outside of control limits for arsenic in SDG MD9E66 (31%). All arsenic results were considered estimated and "J" qualified in SDG MD9E66.

A Stage 4 validation consisting of manual review was performed on the inorganic samples submitted for this case.

cc: Nardina Turner



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SAMPLES INCLUDED IN THIS REPORT

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID	Laboratory ID	MD#	D#	Matrix	Date Collected
CV0112C-CS-12	C153702-01	9E68	9E68	Surface Soil	8/25/15 10:05
CV0112C-CS-18	C153702-02	9E69	9E69	Surface Soil	8/25/15 10:10
CV0112C-CS-24	C153702-03	9E70	9E70	Surface Soil	8/25/15 10:15
CV0112C-CS-6	C153702-04	9E71	9E71	Surface Soil	8/25/15 10:00
CV0112D-CS-12	C153702-05	9E72	9E72	Surface Soil	8/25/15 10:50
CV0112D-CS-18	C153702-06	9E73	9E73	Surface Soil	8/25/15 10:55
CV0112D-CS-24	C153702-07	9E74	9E74	Surface Soil	8/25/15 11:00
CV0112D-CS-6	C153702-08	9E75	9E75	Surface Soil	8/25/15 10:45
CV0291A-CS-0-4	C153702-09	9E99	9E99	Surface Soil	8/26/15 12:35
CV0291A-CS-12	C153702-10	9E76	9E76	Surface Soil	8/26/15 12:45
CV0291A-CS-6	C153702-11	9E77	9E77	Surface Soil	8/26/15 12:40
CV0291A-CSD-6	C153702-12	9E78	9E78	Surface Soil	8/26/15 12:40
CV0291A-GS-18	C153702-13	9E79	9E79	Surface Soil	8/26/15 12:50
CV0291A-GS-24	C153702-14	9E80	9E80	Surface Soil	8/26/15 12:55
CV0291B -CS-0-4	C153702-15	9EA0	9EA0	Surface Soil	8/26/15 12:40
CV0291B-CS-12	C153702-16	9E81	9E81	Surface Soil	8/26/15 13:05
CV0291B-CS-6	C153702-17	9E82	9E82	Surface Soil	8/26/15 13:00
CV0291C-CS-0-4	C153702-18	9EA1	9EA1	Surface Soil	8/26/15 12:45
CV0291C-CS-12	C153702-19	9E83	9E83	Surface Soil	8/26/15 13:20
CV0291C-CS-18	C153702-20	9E84	9E84	Surface Soil	8/26/15 13:25
CV0291C-CS-6	C153702-21	9E85	9E85	Surface Soil	8/26/15 13:15
CV0291C-GS-24	C153702-22	9E86	9E86	Surface Soil	8/26/15 13:30
CV0319B-CS-12	C153702-23	9E87	9E87	Surface Soil	8/25/15 13:40
CV0319B-CS-18	C153702-24	9E88	9E88	Surface Soil	8/25/15 13:45
CV0319B-CS-24	C153702-25	9E89	9E89	Surface Soil	8/25/15 13:50
CV0319B-CS-6	C153702-26	9E90	9E90	Surface Soil	8/25/15 13:35
CV0319B-CSD-6	C153702-27	9E91	9E91	Surface Soil	8/25/15 13:35
CV0319C-CS-12	C153702-28	9E92	9E92	Surface Soil	8/25/15 15:05
CV0319C-CS-18	C153702-29	9E93	9E93	Surface Soil	8/25/15 15:10
CV0319C-CS-24	C153702-30	9E94	9E94	Surface Soil	8/25/15 15:15
CV0319C-CS-6	C153702-31	9E95	9E95	Surface Soil	8/25/15 15:00
CV0388B-CS-12	C153702-32	9EA9	9EA9	Surface Soil	8/27/15 09:20
CV0388B-CS-18	C153702-33	9EB0	9EB0	Surface Soil	8/27/15 09:30
CV0388B-CS-24	C153702-34	9EB1	9EB1	Surface Soil	8/27/15 09:35



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CV0388B-CS-6	C153702-35	9EB2	9EB2	Surface Soil	8/27/15 09:10
CV0388B-CSD-6	C153702-36	9EB3	9EB3	Surface Soil	8/27/15 09:15
CV0567B-CS-12	C153702-37	9E96	9E96	Surface Soil	8/24/15 15:10
CV0567B-CS-6	C153702-38	9E67	9E67	Surface Soil	8/24/15 15:00
CV0567B-CSD-6	C153702-39	9E97	9E97	Surface Soil	8/24/15 15:00
CV0567C-CS-6	C153702-40	9E98	9E98	Surface Soil	8/24/15 15:15
CV0768A-CS-0-4	C153702-41	9EC2	9EC2	Surface Soil	8/27/15 10:30
CV0768A-CS-12	C153702-42	9EB4	9EB4	Surface Soil	8/27/15 10:50
CV0768A-CS-18	C153702-43	9EB5	9EB5	Surface Soil	8/27/15 10:55
CV0768A-CS-24	C153702-44	9EB6	9EB6	Surface Soil	8/27/15 11:00
CV0768A-CS-6	C153702-45	9EB7	9EB7	Surface Soil	8/27/15 10:45
CV0768A-CSD-0-4	C153702-46	9EC3	9EC3	Surface Soil	8/27/15 10:35
CV0768B-CS-0-4	C153702-47	9EC4	9EC4	Surface Soil	8/27/15 10:40
CV0768B-CS-12	C153702-48	9EB8	9EB8	Surface Soil	8/27/15 11:10
CV0768B-CS-18	C153702-49	9EB9	9EB9	Surface Soil	8/27/15 11:15
CV0768B-CS-24	C153702-50	9EC0	9EC0	Surface Soil	8/27/15 11:20
CV0768B-CS-6	C153702-51	9EC1	9EC1	Surface Soil	8/27/15 11:05
CV1004A-CS-0-4	C153702-52	9EA2	9EA2	Surface Soil	8/26/15 09:35
CV1004A-CSD-0-4	C153702-53	9EA3	9EA3	Surface Soil	8/26/15 09:35
CV1266A-CS-0-4	C153702-54	9EA4	9EA4	Surface Soil	8/26/15 10:20
CV1266B-CS-0-4	C153702-55	9EA5	9EA5	Surface Soil	8/26/15 10:25
CV1266C-CS-0-4	C153702-56	9EA6	9EA6	Surface Soil	8/26/15 10:30
CV1266D-CS-0-4	C153702-57	9EA7	9EA7	Surface Soil	8/26/15 10:35
CV1266E-CS-0-4	C153702-58	9EA8	9EA8	Surface Soil	8/26/15 10:40



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DATA QUALIFIER DEFINITIONS

CLP36	Identification/Concentration of analyte not confirmed by ICP-MS.
J	The identification of the analyte is acceptable; the reported value is an estimate.
Q-5	Serial dilution precision outside method control limits
OM-1	Matrix Spike Recovery less than method control limits

ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



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Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0112C-CS-12

Lab ID: C153702-01

MD No: 9E68 CHEM

Station ID: CV0112C

Matrix: Surface Soil

D No: 9E68 CHEM

Date Collected: 8/25/15 10:05

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	85		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	15	CLP36	mg/kg dry	0.86	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	67		mg/kg dry	0.86	8/28/15	8/28/15	CLP ISM02.2 P



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Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0112C-CS-18

Lab ID: C153702-02

MD No: 9E69 CHEM

Station ID: CV0112C

Matrix: Surface Soil

D No: 9E69 CHEM

Date Collected: 8/25/15 10:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	81		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	10	CLP36	mg/kg dry	0.87	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	15		mg/kg dry	0.87	8/28/15	8/28/15	CLP ISM02.2 P



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Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0112C-CS-24

Lab ID: C153702-03

MD No: 9E70 CHEM

Station ID: CV0112C

Matrix: Surface Soil

D No: 9E70 CHEM

Date Collected: 8/25/15 10:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	84		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	9.3	CLP36	mg/kg dry	0.83	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	21		mg/kg dry	0.83	8/28/15	8/28/15	CLP ISM02.2 P



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Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0112C-CS-6

Lab ID: C153702-04

MD No: 9E71 CHEM

Station ID: CV0112C

Matrix: Surface Soil

D No: 9E71 CHEM

Date Collected: 8/25/15 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	81		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	28	CLP36	mg/kg dry	0.86	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	360		mg/kg dry	0.86	8/28/15	8/28/15	CLP ISM02.2 P



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Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0112D-CS-12

Lab ID: C153702-05

MD No: 9E72 CHEM

Station ID: CV0112D

Matrix: Surface Soil

D No: 9E72 CHEM

Date Collected: 8/25/15 10:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	82		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	16	CLP36	mg/kg dry	0.90	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	99		mg/kg dry	0.90	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0112D-CS-18

Lab ID: C153702-06

MD No: 9E73 CHEM

Station ID: CV0112D

Matrix: Surface Soil

D No: 9E73 CHEM

Date Collected: 8/25/15 10:55

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	75		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	14	CLP36	mg/kg dry	0.94	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	88		mg/kg dry	0.94	8/28/15	8/28/15	CLP ISM02.2 P



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Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0112D-CS-24

Lab ID: C153702-07

MD No: 9E74 CHEM

Station ID: CV0112D

Matrix: Surface Soil

D No: 9E74 CHEM

Date Collected: 8/25/15 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	75		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	15	CLP36	mg/kg dry	0.99	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	24		mg/kg dry	0.99	8/28/15	8/28/15	CLP ISM02.2 P



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Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0112D-CS-6

Lab ID: C153702-08

MD No: 9E75 CHEM

Station ID: CV0112D

Matrix: Surface Soil

D No: 9E75 CHEM

Date Collected: 8/25/15 10:45

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	79		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	20	CLP36	mg/kg dry	0.88	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	240		mg/kg dry	0.88	8/28/15	8/28/15	CLP ISM02.2 P



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Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291A-CS-0-4

Lab ID: C153702-09

MD No: 9E99 CHEM

Station ID: CV0291A

Matrix: Surface Soil

D No: 9E99 CHEM

Date Collected: 8/26/15 12:35

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	79		%		8/28/15	8/29/15	CLP Inorganics
7440-38-2	Arsenic	27	J, CLP36, Q-5	mg/kg dry	0.94	8/28/15	8/29/15	CLP ISM02.2 P
7439-92-1	Lead	720		mg/kg dry	0.94	8/28/15	8/29/15	CLP ISM02.2 P



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Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291A-CS-12

Lab ID: C153702-10

MD No: 9E76 CHEM

Station ID: CV0291A

Matrix: Surface Soil

D No: 9E76 CHEM

Date Collected: 8/26/15 12:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	80		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	29	CLP36	mg/kg dry	0.93	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	970		mg/kg dry	0.93	8/28/15	8/28/15	CLP ISM02.2 P



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Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291A-CS-6

Lab ID: C153702-11

MD No: 9E77 CHEM

Station ID: CV0291A

Matrix: Surface Soil

D No: 9E77 CHEM

Date Collected: 8/26/15 12:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	79		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	34	CLP36	mg/kg dry	0.97	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	1000		mg/kg dry	0.97	8/28/15	8/28/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291A-CSD-6

Lab ID: C153702-12

MD No: 9E78 CHEM

Station ID: CV0291A

Matrix: Surface Soil

D No: 9E78 CHEM

Date Collected: 8/26/15 12:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	80		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	37	CLP36	mg/kg dry	0.93	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	1100		mg/kg dry	0.93	8/28/15	8/28/15	CLP ISM02.2 P



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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291A-GS-18

Lab ID: C153702-13

MD No: 9E79 CHEM

Station ID: CV0291A

Matrix: Surface Soil

D No: 9E79 CHEM

Date Collected: 8/26/15 12:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	72		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	37	CLP36	mg/kg dry	0.98	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	2700		mg/kg dry	0.98	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291A-GS-24

Lab ID: C153702-14

MD No: 9E80 CHEM

Station ID: CV0291A

Matrix: Surface Soil

D No: 9E80 CHEM

Date Collected: 8/26/15 12:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	74		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	35	CLP36	mg/kg dry	1.0	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	2700		mg/kg dry	1.0	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291B-CS-0-4

Lab ID: C153702-15

MD No: 9EA0 CHEM

Station ID: CV0291B

Matrix: Surface Soil

D No: 9EA0 CHEM

Date Collected: 8/26/15 12:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	79		%		8/28/15	8/29/15	CLP Inorganics
7440-38-2	Arsenic	30	J, CLP36, Q-5	mg/kg dry	0.96	8/28/15	8/29/15	CLP ISM02.2 P
7439-92-1	Lead	1100		mg/kg dry	0.96	8/28/15	8/29/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291B-CS-12

Lab ID: C153702-16

MD No: 9E81 CHEM

Station ID: CV0291B

Matrix: Surface Soil

D No: 9E81 CHEM

Date Collected: 8/26/15 13:05

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	75		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	39	CLP36	mg/kg dry	0.93	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	1600		mg/kg dry	0.93	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291B-CS-6

Lab ID: C153702-17

MD No: 9E82 CHEM

Station ID: CV0291B

Matrix: Surface Soil

D No: 9E82 CHEM

Date Collected: 8/26/15 13:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	81		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	40	CLP36	mg/kg dry	0.90	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	2600		mg/kg dry	0.90	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291C-CS-0-4

Lab ID: C153702-18

MD No: 9EA1 CHEM

Station ID: CV0291C

Matrix: Surface Soil

D No: 9EA1 CHEM

Date Collected: 8/26/15 12:45

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	76		%		8/28/15	8/29/15	CLP Inorganics
7440-38-2	Arsenic	24	J, CLP36, Q-5	mg/kg dry	0.99	8/28/15	8/29/15	CLP ISM02.2 P
7439-92-1	Lead	1300		mg/kg dry	0.99	8/28/15	8/29/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291C-CS-12

Lab ID: C153702-19

MD No: 9E83 CHEM

Station ID: CV0291C

Matrix: Surface Soil

D No: 9E83 CHEM

Date Collected: 8/26/15 13:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	72		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	44	CLP36	mg/kg dry	0.99	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	1600		mg/kg dry	0.99	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

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Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291C-CS-18

Lab ID: C153702-20

MD No: 9E84 CHEM

Station ID: CV0291C

Matrix: Surface Soil

D No: 9E84 CHEM

Date Collected: 8/26/15 13:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	69		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	25	CLP36	mg/kg dry	1.1	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	900		mg/kg dry	1.1	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291C-CS-6

Lab ID: C153702-21

MD No: 9E85 CHEM

Station ID: CV0291C

Matrix: Surface Soil

D No: 9E85 CHEM

Date Collected: 8/26/15 13:15

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	77		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	35	CLP36	mg/kg dry	0.93	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	2300		mg/kg dry	0.93	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0291C-GS-24

Lab ID: C153702-22

MD No: 9E86 CHEM

Station ID: CV0291C

Matrix: Surface Soil

D No: 9E86 CHEM

Date Collected: 8/26/15 13:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	71		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	21	CLP36	mg/kg dry	1.0	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	940		mg/kg dry	1.0	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0319B-CS-12

Lab ID: C153702-23

MD No: 9E87 CHEM

Station ID: CV0319B

Matrix: Surface Soil

D No: 9E87 CHEM

Date Collected: 8/25/15 13:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	88		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	11	J, CLP36, Q-5, QM-1	mg/kg dry	0.85	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	36		mg/kg dry	0.85	8/28/15	8/28/15	CLP ISM02.2 P



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Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0319B-CS-18

Lab ID: C153702-24

MD No: 9E88 CHEM

Station ID: CV0319B

Matrix: Surface Soil

D No: 9E88 CHEM

Date Collected: 8/25/15 13:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	88		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	10	J, CLP36, Q-5	mg/kg dry	0.85	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	40		mg/kg dry	0.85	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0319B-CS-24

Lab ID: C153702-25

MD No: 9E89 CHEM

Station ID: CV0319B

Matrix: Surface Soil

D No: 9E89 CHEM

Date Collected: 8/25/15 13:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	86		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	14	J, CLP36, Q-5	mg/kg dry	0.83	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	73		mg/kg dry	0.83	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0319B-CS-6

Lab ID: C153702-26

MD No: 9E90 CHEM

Station ID: CV0319B

Matrix: Surface Soil

D No: 9E90 CHEM

Date Collected: 8/25/15 13:35

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	85		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	19	J, CLP36, Q-5	mg/kg dry	0.81	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	210		mg/kg dry	0.81	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0319B-CSD-6

Lab ID: C153702-27

MD No: 9E91 CHEM

Station ID: CV0319B

Matrix: Surface Soil

D No: 9E91 CHEM

Date Collected: 8/25/15 13:35

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	84		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	22	J, CLP36, Q-5	mg/kg dry	0.83	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	200		mg/kg dry	0.83	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0319C-CS-12

Lab ID: C153702-28

MD No: 9E92 CHEM

Station ID: CV0319C

Matrix: Surface Soil

D No: 9E92 CHEM

Date Collected: 8/25/15 15:05

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	84		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	12	J, CLP36, Q-5	mg/kg dry	0.86	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	62		mg/kg dry	0.86	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0319C-CS-18

Lab ID: C153702-29

MD No: 9E93 CHEM

Station ID: CV0319C

Matrix: Surface Soil

D No: 9E93 CHEM

Date Collected: 8/25/15 15:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	84		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	9.0	J, CLP36, Q-5	mg/kg dry	0.81	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	29		mg/kg dry	0.81	8/28/15	8/28/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0319C-CS-24

Lab ID: C153702-30

MD No: 9E94 CHEM

Station ID: CV0319C

Matrix: Surface Soil

D No: 9E94 CHEM

Date Collected: 8/25/15 15:15

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	84		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	10	J, CLP36, Q-5	mg/kg dry	0.90	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	40		mg/kg dry	0.90	8/28/15	8/28/15	CLP ISM02.2 P



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Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0319C-CS-6

Lab ID: C153702-31

MD No: 9E95 CHEM

Station ID: CV0319C

Matrix: Surface Soil

D No: 9E95 CHEM

Date Collected: 8/25/15 15:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	85		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	10	J, CLP36, Q-5	mg/kg dry	0.87	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	200		mg/kg dry	0.87	8/28/15	8/28/15	CLP ISM02.2 P



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Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0388B-CS-12

Lab ID: C153702-32

MD No: 9EA9 CHEM

Station ID: CV0388B

Matrix: Surface Soil

D No: 9EA9 CHEM

Date Collected: 8/27/15 9:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	82		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	15	CLP36	mg/kg dry	0.94	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	140		mg/kg dry	0.94	8/28/15	9/03/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0388B-CS-18

Lab ID: C153702-33

MD No: 9EB0 CHEM

Station ID: CV0388B

Matrix: Surface Soil

D No: 9EB0 CHEM

Date Collected: 8/27/15 9:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	86		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	5.5	CLP36	mg/kg dry	0.86	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	28		mg/kg dry	0.86	8/28/15	9/03/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0388B-CS-24

Lab ID: C153702-34

MD No: 9EB1 CHEM

Station ID: CV0388B

Matrix: Surface Soil

D No: 9EB1 CHEM

Date Collected: 8/27/15 9:35

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	86		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	7.5	CLP36	mg/kg dry	0.85	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	49		mg/kg dry	0.85	8/28/15	9/03/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0388B-CS-6

Lab ID: C153702-35

MD No: 9EB2 CHEM

Station ID: CV0388B

Matrix: Surface Soil

D No: 9EB2 CHEM

Date Collected: 8/27/15 9:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	82		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	19	CLP36	mg/kg dry	0.94	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	310		mg/kg dry	0.94	8/28/15	9/03/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0388B-CSD-6

Lab ID: C153702-36

MD No: 9EB3 CHEM

Station ID: CV0388B

Matrix: Surface Soil

D No: 9EB3 CHEM

Date Collected: 8/27/15 9:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	81		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	25	CLP36	mg/kg dry	0.95	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	340		mg/kg dry	0.95	8/28/15	9/03/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0567B-CS-12

Lab ID: C153702-37

MD No: 9E96 CHEM

Station ID: CV0567B

Matrix: Surface Soil

D No: 9E96 CHEM

Date Collected: 8/24/15 15:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	87		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	14	J, CLP36, Q-5	mg/kg dry	0.81	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	60		mg/kg dry	0.81	8/28/15	8/28/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0567B-CS-6

Lab ID: C153702-38

MD No: 9E67 CHEM

Station ID: CV0567B

Matrix: Surface Soil

D No: 9E67 CHEM

Date Collected: 8/24/15 15:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	87		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	20	CLP36	mg/kg dry	0.89	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	74		mg/kg dry	0.89	8/28/15	8/28/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0567B-CSD-6

Lab ID: C153702-39

MD No: 9E97 CHEM

Station ID: CV0567B

Matrix: Surface Soil

D No: 9E97 CHEM

Date Collected: 8/24/15 15:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	85		%		8/28/15	8/28/15	CLP Inorganics
7440-38-2	Arsenic	15	J, CLP36, Q-5	mg/kg dry	0.89	8/28/15	8/28/15	CLP ISM02.2 P
7439-92-1	Lead	61		mg/kg dry	0.89	8/28/15	8/28/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0567C-CS-6

Lab ID: C153702-40

MD No: 9E98 CHEM

Station ID: CV0567C

Matrix: Surface Soil

D No: 9E98 CHEM

Date Collected: 8/24/15 15:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	83		%		8/28/15	8/29/15	CLP Inorganics
7440-38-2	Arsenic	52	J, CLP36, Q-5	mg/kg dry	0.91	8/28/15	8/29/15	CLP ISM02.2 P
7439-92-1	Lead	72		mg/kg dry	0.91	8/28/15	8/29/15	CLP ISM02.2 P



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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0768A-CS-0-4

Lab ID: C153702-41

MD No: 9EC2 CHEM

Station ID: CV0768A

Matrix: Surface Soil

D No: 9EC2 CHEM

Date Collected: 8/27/15 10:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	76		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	32	CLP36	mg/kg dry	0.96	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	370		mg/kg dry	0.96	8/28/15	9/03/15	CLP ISM02.2 P



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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0768A-CS-12

Lab ID: C153702-42

MD No: 9EB4 CHEM

Station ID: CV0768A

Matrix: Surface Soil

D No: 9EB4 CHEM

Date Collected: 8/27/15 10:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	80		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	22	CLP36	mg/kg dry	0.89	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	140		mg/kg dry	0.89	8/28/15	9/03/15	CLP ISM02.2 P



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Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0768A-CS-18

Lab ID: C153702-43

MD No: 9EB5 CHEM

Station ID: CV0768A

Matrix: Surface Soil

D No: 9EB5 CHEM

Date Collected: 8/27/15 10:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	80		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	71	CLP36	mg/kg dry	0.92	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	320		mg/kg dry	0.92	8/28/15	9/03/15	CLP ISM02.2 P



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Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0768A-CS-24

Lab ID: C153702-44

MD No: 9EB6 CHEM

Station ID: CV0768A

Matrix: Surface Soil

D No: 9EB6 CHEM

Date Collected: 8/27/15 11:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	80		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	28	CLP36	mg/kg dry	0.87	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	68		mg/kg dry	0.87	8/28/15	9/03/15	CLP ISM02.2 P



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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0768A-CS-6

Lab ID: C153702-45

MD No: 9EB7 CHEM

Station ID: CV0768A

Matrix: Surface Soil

D No: 9EB7 CHEM

Date Collected: 8/27/15 10:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	81		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	33	CLP36	mg/kg dry	0.95	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	360		mg/kg dry	0.95	8/28/15	9/03/15	CLP ISM02.2 P



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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0768A-CSD-0-4

Lab ID: C153702-46

MD No: 9EC3 CHEM

Station ID: CV0768A

Matrix: Surface Soil

D No: 9EC3 CHEM

Date Collected: 8/27/15 10:35

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	78		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	28	CLP36	mg/kg dry	0.91	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	330		mg/kg dry	0.91	8/28/15	9/03/15	CLP ISM02.2 P



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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0768B-CS-0-4

Lab ID: C153702-47

MD No: 9EC4 CHEM

Station ID: CV0768B

Matrix: Surface Soil

D No: 9EC4 CHEM

Date Collected: 8/27/15 10:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	82		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	13	CLP36	mg/kg dry	0.87	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	310		mg/kg dry	0.87	8/28/15	9/03/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0768B-CS-12

Lab ID: C153702-48

MD No: 9EB8 CHEM

Station ID: CV0768B

Matrix: Surface Soil

D No: 9EB8 CHEM

Date Collected: 8/27/15 11:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	85		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	14	CLP36	mg/kg dry	0.84	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	120		mg/kg dry	0.84	8/28/15	9/03/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0768B-CS-18

Lab ID: C153702-49

MD No: 9EB9 CHEM

Station ID: CV0768B

Matrix: Surface Soil

D No: 9EB9 CHEM

Date Collected: 8/27/15 11:15

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	87		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	12	CLP36	mg/kg dry	0.88	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	43		mg/kg dry	0.88	8/28/15	9/03/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0768B-CS-24

Lab ID: C153702-50

MD No: 9EC0 CHEM

Station ID: CV0768B

Matrix: Surface Soil

D No: 9EC0 CHEM

Date Collected: 8/27/15 11:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	88		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	18	CLP36	mg/kg dry	0.86	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	62		mg/kg dry	0.86	8/28/15	9/03/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV0768B-CS-6

Lab ID: C153702-51

MD No: 9EC1 CHEM

Station ID: CV0768B

Matrix: Surface Soil

D No: 9EC1 CHEM

Date Collected: 8/27/15 11:05

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	83		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	19	CLP36	mg/kg dry	0.87	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	260		mg/kg dry	0.87	8/28/15	9/03/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV1004A-CS-0-4

Lab ID: C153702-52

MD No: 9EA2 CHEM

Station ID: CV1004A

Matrix: Surface Soil

D No: 9EA2 CHEM

Date Collected: 8/26/15 9:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	83		%		8/28/15	8/29/15	CLP Inorganics
7440-38-2	Arsenic	22	J, CLP36, Q-5	mg/kg dry	0.91	8/28/15	8/29/15	CLP ISM02.2 P
7439-92-1	Lead	360		mg/kg dry	0.91	8/28/15	8/29/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV1004A-CSD-0-4

Lab ID: C153702-53

MD No: 9EA3 CHEM

Station ID: CV1004A

Matrix: Surface Soil

D No: 9EA3 CHEM

Date Collected: 8/26/15 9:35

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	83		%		8/28/15	8/29/15	CLP Inorganics
7440-38-2	Arsenic	26	J, CLP36, Q-5	mg/kg dry	0.92	8/28/15	8/29/15	CLP ISM02.2 P
7439-92-1	Lead	330		mg/kg dry	0.92	8/28/15	8/29/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV1266A-CS-0-4

Lab ID: C153702-54

MD No: 9EA4 CHEM

Station ID: CV1266A

Matrix: Surface Soil

D No: 9EA4 CHEM

Date Collected: 8/26/15 10:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	81		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	31	CLP36	mg/kg dry	0.93	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	300		mg/kg dry	0.93	8/28/15	9/03/15	CLP ISM02.2 P



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV1266B-CS-0-4

Lab ID: C153702-55

MD No: 9EA5 CHEM

Station ID: CV1266B

Matrix: Surface Soil

D No: 9EA5 CHEM

Date Collected: 8/26/15 10:25

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	84		%		8/28/15	8/29/15	CLP Inorganics
7440-38-2	Arsenic	23	J, CLP36, Q-5	mg/kg dry	0.89	8/28/15	8/29/15	CLP ISM02.2 P
7439-92-1	Lead	220		mg/kg dry	0.89	8/28/15	8/29/15	CLP ISM02.2 P



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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV1266C-CS-0-4

Lab ID: C153702-56

MD No: 9EA6 CHEM

Station ID: CV1266C

Matrix: Surface Soil

D No: 9EA6 CHEM

Date Collected: 8/26/15 10:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	81		%		8/28/15	8/29/15	CLP Inorganics
7440-38-2	Arsenic	17	J, CLP36, Q-5	mg/kg dry	0.93	8/28/15	8/29/15	CLP ISM02.2 P
7439-92-1	Lead	260		mg/kg dry	0.93	8/28/15	8/29/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV1266D-CS-0-4

Lab ID: C153702-57

MD No: 9EA7 CHEM

Station ID: CV1266D

Matrix: Surface Soil

D No: 9EA7 CHEM

Date Collected: 8/26/15 10:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	82		%		8/28/15	8/29/15	CLP Inorganics
7440-38-2	Arsenic	26	J, CLP36, Q-5	mg/kg dry	0.88	8/28/15	8/29/15	CLP ISM02.2 P
7439-92-1	Lead	260		mg/kg dry	0.88	8/28/15	8/29/15	CLP ISM02.2 P



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D.A.R.T. Id: 15-0403

Project: 15-0403, 35th Avenue Site - Reported by Denise Goddard

Total Metals

Project: 15-0403, 35th Avenue Site

Contract Lab Case: 45556

Sample ID: CV1266E-CS-0-4

Lab ID: C153702-58

MD No: 9EA8 CHEM

Station ID: CV1266E

Matrix: Surface Soil

D No: 9EA8 CHEM

Date Collected: 8/26/15 10:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	83		%		8/28/15	9/03/15	CLP Inorganics
7440-38-2	Arsenic	15	CLP36	mg/kg dry	0.88	8/28/15	9/03/15	CLP ISM02.2 P
7439-92-1	Lead	250		mg/kg dry	0.88	8/28/15	9/03/15	CLP ISM02.2 P